

RL-NP-92-5
Final Technical Report
August 1992

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JTIDS & JRSVC SYSTEM ENGINEERING

VEDA INCORPORATED

Dreama Fumia (Veda Incorporated)
W. John Maxey (Rome Laboratory)

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Air Force Materiel Command
Off Air Force Base, New York

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APPROVED:

William J. Maxey

WILLIAM J. MAXEY
Project Engineer

FOR THE COMMANDER:

John A. Graniero

JOHN A. GRANIERO
Chief Scientist
Command, Control & Communications Directorate

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Dist	Avail and/or Special
A-1	

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave Blank)		2. REPORT DATE August 1992		3. REPORT TYPE AND DATES COVERED May 91 - Jun 92	
4. TITLE AND SUBTITLE JTIDS & JRSVC SYSTEM ENGINEERING				5. FUNDING NUMBERS C - F30602-89-D-0096, 0010 PE - 64771D PR - 2982 TA - QF WU - 11	
6. AUTHOR(S) Dreema Fumia (Veda Incorporated) W. John Maxey (Rome Laboratory)				8. PERFORMING ORGANIZATION REPORT NUMBER JA 1647	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) VEDA INCORPORATED 61 SPIT BROOK RD NASHUA NH 03060				10. SPONSORING/MONITORING AGENCY REPORT NUMBER RL-NP-92-5	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) Rome Laboratory (C3BB) 525 Brooks Road Griffiss AFB NY 13441-4505					
11. SUPPLEMENTARY NOTES Submitted by Harris Corporation Rome Laboratory Project Engineer: W. John Maxey/C3BB/(315) 330-3617					
12a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited.				12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) This report contains a summary of the work performed by Veda Inc. in support of the JTIDS & JRSVC software testing efforts. The activities summary gives a chronology of the test program management provided by Veda.					
14. SUBJECT TERMS Virus Protection Software, JTIDS Class II Terminal, Material Improvement Project				15. NUMBER OF PAGES 10	
				16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED	19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED	20. LIMITATION OF ABSTRACT UL		

FINAL REPORT
JIDS

1.0 INTRODUCTION

This report is submitted in accordance with the requirements of Contract F30602-89-D-0096 for the period 2 May 1991 through 22 May 1992.

2.0 ACTIVITIES SUMMARY

A. Test and Evaluation

1. Veda's support of the JPO's Material Improvement Project (MIP) for test results tracking has included the following significant efforts.

a. Veda has participated in the Navy's Trouble Report Resolution Board (TRRB), a Service review process which provides input, in some cases, to the MIP System. This early insight into the Navy's pre-MIP process has provided valuable insight to the Navy's MIP issues.

b. Veda has begun participation in the JPO's interface with the developing contractor regarding MIP issues. This has included prioritization of MIP's for contractor addressal.

c. By direction of the JPO, Veda has provided assistance to other SPO's and other Service representatives in setting up MIP systems.

d. Veda has supported the inclusion of test tool problem tracking within the MIP system.

e. Veda prepared and published a Closed MIP Status Book for members of the MIP community. This effort included research and analysis of previously Closed MIP's dating back to 1986 testing. It has provided to the MIP community over 400 Closed MIP's including a chronology of events leading up to the closure of each MIP. This has proven useful to the test community in relating current issues to previous problems.

f. Veda has prepared and published an Open MIP Status Book for members of the MIP community which contains all active MIPs, their history and current status.

2. In support of test resource management for the JPO, the following significant efforts have been provided.

a. By supporting the F-15/JSTARS team meetings for the Test Directorate, Veda has maintained liaison between the test community and the program office efforts.

b. Veda has managed test resources for all Eglin testing for JTIDS. This has included developing test directives, mission planning support, coordination of resource requirements and resource installation.

c. Veda has provided support to various Service and multi-Service test documents.

d. Veda has provided on-site support to a variety of test missions conducted at Eglin AFB for Service testing as well as on-site support for multi-Service testing at Patuxent River, MD.

e. Veda has provided primary test support to the Mountain Home initiative to install JTIDS Class 2 terminals on F-15's for and Operational Utility Evaluation.

f. Veda has participated in the JPO's Joint Test Plan Working Group.

B. System Engineering

3. Veda's support of JPO software engineering tasks have encompassed the following efforts.

a. Veda has provided the primary software QA function for the Navy's development of the Network Design Aid (NDA). The NDA will provide computer-generated initialization loads for JTIDS terminals participating in JTIDS missions.

b. Veda has supported the Navy's PMW-159 in the development of the Network Design Aid (NDA) Life Cycle Support Activity (LCSA) Request for Proposal (RFP).

c. Veda has provided continuing support to the JPO's Centralized Software Support Activity efforts for the JPO's software engineering division. This has included hardware/software resource planning for the software maintenance facility at Warner Robbins Air Logistics Center.

d. Veda has provided support to the JILSMT and JCRWG in the areas of software quality assurance and software maintenance.

e. Veda has developed a Joint Configuration Management Master Plan for the JTIDS Class 2 terminal.

4. Veda has supported several efforts as follows.

a. Veda has supported the Staff Agency Security Monitor in his update of the JTIDS Security Classification Guide. This effort began in May of 91 and was completed with PEO signature in Feb 92.

b. Veda has supported all JPO activities relative to JTIDS COMSEC. This has included liaison with NSA, the Joint Staff, the Service COMSEC managers, the platform SPO's COMSEC managers, and the UK. Specific efforts have included initiation and coordination of the JTIDS Joint COMSEC Working Group, briefing the Joint Staff's JTIDS Operational Steering Group (JOSG), and briefing the Joint Key Management Working Group. Veda has prepared information to populate and maintain a PERT chart of COMSEC activities, prepared point papers relative to specific COMSEC issues, and worked with NSA to achieve a JPO/NSA MOA for COMSEC roles and responsibilities.

c. Veda has supported the Lead Computer Systems Security Officer (LCSSO) in the

following areas.

1. Prepared training materials for JPO CSSO's.
 2. Updated the JPO's Computer Systems Security Operating Instruction.
 3. Provided consolidation of computer inventory update information to ESD/SC.
 4. Installed virus protection software on PC-based JPO computers.
 5. Obtained certification for JPO computers to process sensitive, unclassified information.
 6. Obtained certification for certain JPO computers to process information to the SECRET level.
- d. Veda has supported a strategy for COMPUSEC which includes development of a JTIDS Computer Security Plan.
- e. In the area of TQM, Veda has chaired a Process Action Team to improve the Data Release/Foreign Disclosure process in place at the JPO.
- f. Veda has provided management of and training for the STU-III Secure Telephone Units in place at the JPO for secure voice and data communications.
- g. Veda has participated in the development of the JPO's Management Information System (MIS) Plan.

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